

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/FR2004/050659

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 G01J5/20

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G01J H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/81879 A (RAYTHEON CO) 1 November 2001 (2001-11-01)	1, 2, 16-20, 29, 32-34
Y	abstract; figure 1  page 6, lines 8-28 ----- -/-	3-15, 21-28, 30, 31, 35-37

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the International filing date but later than the priority date claimed

- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*&\* document member of the same patent family

Date of the actual completion of the International search

Date of mailing of the International search report

31 March 2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 4 695 715 A (MALM ROBERT E) 22 September 1987 (1987-09-22)  abstract; figures 1,4-7B column 3, lines 10-28 column 6, line 30 – column 7, line 11 column 1, lines 59-66 column 2, line 65 – column 3, line 9 column 2, lines 9-24 _____	3-15, 21-28, 30,31, 35-37
A	EP O 828 145 A (COMMISSARIAT ENERGIE ATOMIQUE) 11 March 1998 (1998-03-11) cited in the application abstract; figures 3A,3B column 8, line 15 – column 9, line 25 _____	1-37
A	EP O 566 156 A (TERUMO CORP) 20 October 1993 (1993-10-20) abstract; figure 2 column 11, line 28 – column 12, line 18 _____	1-37

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/FR2004/050659

Patent document cited in search report	Publication date	Patent family member(s)			Publication date
WO 0181879	A 01-11-2001	US 6690014 B1	AU 7884301 A	EP 1279012 A2	10-02-2004 07-11-2001 29-01-2003
		JP 2003532067 T	WO 0181879 A2		28-10-2003 01-11-2001
US 4695715	A 22-09-1987	NONE			
EP 0828145	A 11-03-1998	FR 2752299 A1	DE 69716546 D1	DE 69716546 T2	13-02-1998 28-11-2002 05-06-2003
		EP 0828145 A1	JP 10090054 A	US 5912464 A	11-03-1998 10-04-1998 15-06-1999
EP 0566156	A 20-10-1993	JP 3181363 B2	JP 6213708 A	JP 3249174 B2	03-07-2001 05-08-1994 21-01-2002
		JP 6043017 A	JP 3179861 B2	JP 6043018 A	18-02-1994 25-06-2001 18-02-1994
		JP 3200657 B2	JP 6074820 A	DE 69313337 D1	20-08-2001 18-03-1994 02-10-1997
		DE 69313337 T2	DE 69313337 T2	EP 0566156 A1	02-01-1998 20-10-1993
		US 5397897 A	US 5521123 A		14-03-1995 28-05-1996